

T,0800



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SEQUENCE LISTING

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<120> EFFECT OF STEROIDS ON NMDA RECEPTORS DEPENDS ON SUBUNIT
COMPOSITION

<130> 0146-2026

<140> 09/652,345

<141> 2000-08-31

<150> 60/151,802

<151> 1999-08-31

<150> 09/378,547

<151> 1999-08-20

<160> 6

<170> PatentIn Ver. 2.0

<210> 1

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1

Ile Leu Glu Ala Glu Leu Ala Val Glu Pro Lys Thr Glu Thr Tyr Val
1 5 10 15

Glu Ala Asn Met Gly Leu Asn Pro Ser Ser Pro Asn Asp Pro Val Thr
20 25 30

Asn Ile Cys Gln Ala Ala Asp Lys Gln Leu Phe Thr Leu Val Glu Trp
35 40 45

Ala Lys Arg Ile Pro His Phe Ser Glu Leu Pro Leu Asp Asp Gln Val
50 55 60

Ile Leu Leu Arg Ala Gly Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser
65 70 75 80

His Arg Ser Ile Ala Val Lys Asp Gly Ile Leu Leu Ala Thr Gly Leu
85 90 95

His Val His Arg Asn
100

<210> 2
<211> 93
<212> PRT
<213> Homo sapiens

<400> 2
Leu Cys Gln Leu Gly Lys Tyr Thr Thr Asn Ser Ser Ala Asp His Arg
1 5 10 15
Val Gln Leu Asp Leu Gly Leu Trp Asp Lys Phe Ser Glu Leu Ala Thr
20 25 30
Lys Cys Ile Ile Lys Ile Val Glu Phe Ala Lys Arg Leu Pro Gly Phe
35 40 45
Thr Gly Leu Ser Ile Ala Asp Gln Ile Thr Leu Leu Lys Ala Ala Cys
50 55 60
Leu Asp Ile Leu Met Leu Arg Ile Cys Thr Arg Tyr Thr Pro Glu Gln
65 70 75 80
Asp Thr Met Thr Phe Ser Asp Gly Leu Thr Leu Asn Arg
85 90

<210> 3
<211> 98
<212> PRT
<213> Homo sapiens

<400> 3
Ile Asn Leu Leu Met Ser Ile Glu Pro Asp Val Ile Tyr Ala Gly His
1 5 10 15
Asp Asn Thr Lys Pro Asp Thr Ser Ser Ser Leu Leu Thr Ser Leu Asn
20 25 30
Gln Leu Gly Glu Arg Gln Leu Leu Ser Val Val Lys Trp Ser Lys Ser
35 40 45
Leu Pro Gly Phe Arg Asn Leu His Ile Asp Asp Gln Ile Thr Leu Ile
50 55 60

Gln Tyr Ser Trp Met Ser Leu Met Val Phe Gly Leu Gly Trp Arg Ser
65 70 75 80

Tyr Lys His Val Ser Gly Gln Met Leu Tyr Phe Ala Pro Asp Leu Ile
85 90 95

Leu Asn

<210> 4

<211> 98

<212> PRT

<213> Homo sapiens

<400> 4

Val Ser Leu Leu Glu Val Ile Glu Pro Glu Val Leu Tyr Ala Gly Tyr
1 5 10 15

Asp Ser Ser Val Pro Asp Ser Thr Trp Arg Ile Met Thr Thr Leu Asn
20 25 30

Met Leu Gly Gly Arg Gln Val Ile Ala Ala Val Lys Trp Ala Lys Ala
35 40 45

Ile Pro Gly Phe Arg Asn Leu His Leu Asp Asp Gln Met Thr Leu Leu
50 55 60

Gln Tyr Ser Trp Met Phe Leu Met Ala Phe Ala Leu Gly Trp Arg Ser
65 70 75 80

Tyr Arg Gln Ser Ser Ala Asn Leu Leu Cys Phe Ala Pro Asp Leu Ile
85 90 95

Ile Asn

<210> 5

<211> 97

<212> PRT

<213> Homo sapiens

<400> 5

Ser Ala Leu Leu Asp Ala Glu Pro Pro Ile Leu Tyr Ser Glu Tyr Asp
1 5 10 15

Pro Thr Arg Pro Phe Ser Glu Ala Ser Met Met Gly Leu Leu Thr Asn

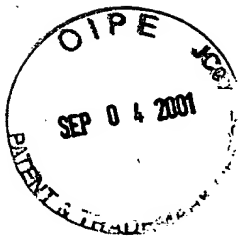
	20		25		30										
Leu	Ala	Asp	Arg	Glu	Leu	Val	His	Met	Ile	Asn	Trp	Ala	Lys	Arg	Val
	35						40					45			
Pro	Gly	Phe	Val	Asp	Leu	Thr	Leu	His	Asp	Gln	Val	His	Leu	Leu	Glu
	50					55					60				
Cys	Ala	Trp	Leu	Glu	Ile	Leu	Met	Ile	Gly	Leu	Val	Trp	Arg	Ser	Met
	65				70				75					80	
Glu	His	Pro	Gly	Lys	Leu	Leu	Phe	Ala	Pro	Asn	Leu	Leu	Leu	Asp	Arg
			85						90					95	

Asn

<210> 6
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 6

Ile	Ile	Leu	Leu	Val	Ser	Asp	Asp	His	Glu	Gly	Arg	Ala	Ala	Gln	Lys
1				5					10					15	
Arg	Leu	Glu	Thr	Leu	Leu	Glu	Glu	Arg	Glu	Ser	Lys	Ala	Glu	Lys	Val
			20					25					30		
Leu	Gln	Phe	Asp	Pro	Gly	Thr	Lys	Asn	Val	Thr	Ala	Leu	Leu	Met	Glu
		35					40					45			
Ala	Arg	Glu	Leu	Glu	Ala	Arg	Val	Ile	Ile	Leu	Ser	Ala	Ser	Glu	Asp
	50					55					60				
Asp	Ala	Ala	Thr	Val	Tyr	Arg	Ala	Ala	Ala	Met	Leu	Asn	Met	Thr	Gly
	65				70					75				80	
Ser	Gly	Tyr	Val	Trp	Leu	Val	Gly	Glu	Arg	Glu	Ile	Ser	Gly	Asn	Ala
			85					90						95	
Leu	Arg	Tyr	Ala	Pro	Asp	Gly	Ile	Ile	Gly	Leu	Gln	Leu	Ile	Asn	
			100					105					110		



RXR-α
RAR
PR
GCR
ER
NR1011

ILE.AELAVEPKTETYVEANMGL.NPSSPNDPVTNIC.QAADKQLFTL
LCQLGKYTTNSSADHRVQLDLGLWDFKFS..ELATK.C..II.K....I
IN.LLM.SIEPDV.IYAGHD.N.TKPDTSLLTSL.NQLGERQLLSV
VS.LLE.VIEPEV.LYAGYD.S.SVPDSTWRIMTTL.NMLGGRQVIAA
SALLD.A.EPPI.LYSEYD.P.TRPFSSEASMMGLLTN.LADRELVHM
IILLVSDDHEGRAA.QKRLETLLERESEKAEKVLOF.DP.GTKNVTAL

(SEQ ID NO. 1)
(SEQ ID NO. 2)
(SEQ ID NO. 3)
(SEQ ID NO. 4)
(SEQ ID NO. 5)
(SEQ ID NO. 6)

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RXR-α
RAR
PR
GCR
ER
NR1011

V.EWAKRIPH.FSELPL..DDQVILLRAGWNELLIA..SFSHR.SIA
V.EFAKRLPG.FTGLSI..ADQITLLKAAACLDIIML..RICTR.YTP
V.KWSKSLPG.FRNLHI..DDQITLIQYSWM.SLMV.FGLGWR.SYK
V.KWAKAIPG.FRNLHL..DDQMTLLQYSWM.FLMA.FALGWR.SYR
I.NWAKRVPG.FVDLTL..HDQVHLLCAWLEILMI..GLVWR.SME
LME.ARELEARVIIISASEDDAATVYRAAAM.LNMTGSGYVWLVGER

(SEQ ID NO. 1)
(SEQ ID NO. 2)
(SEQ ID NO. 3)
(SEQ ID NO. 4)
(SEQ ID NO. 5)
(SEQ ID NO. 6)

252

RXR-α
RAR
PR
GCR
ER
NR1011

VKDG.I.L.IATG.LH.VHR.N
EQDT.MT.FSDG.LT.LNR
HVSQMLYFAPD.LI.L...N
QSSANLLCFAPD.LI.I...N
H.PGKLL.FAPN.LL.LDR.N
FISGNALRYAPDGIIGLQLIN

(SEQ ID NO. 1)
(SEQ ID NO. 2)
(SEQ ID NO. 3)
(SEQ ID NO. 4)
(SEQ ID NO. 5)
(SEQ ID NO. 6)

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FIG. 23